C-51 Rule Study

Meeting Summary

December 6, 2002 9:00 AM to 10:00 AM

To: SueLynn Dignard, Project Manager, SFWMD

From: Alan Hall, Project Manager, TBE

Subject: Review of Draft Technical Memorandum #1

Attendees: Alan Hall, TBE
Suelynn Dignard, SFWMD
Jay Foy, formerly SFRN

This meeting was arranged in order to review the Draft Technical Memorandum #1.

Mr. Foy gave to us his comments on the report and suggestions for change/improvement:

1. Stonewal/Bayhill properties discharge into ITID's Lower M-1 Basin via a 42cfs pump which is operated by ITID. This pump serves an area of 960 acres and is only turned on by ITID when their facilities are not stressed, therefore after the peak of the storm flooding occurs.
2. The Lower M-1 Basin on ITID actually extends all the way up to Northlake Boulevard as a result of their internal canal and structure routing.
3. The Cramer/Rustic Lakes (320 acres) properties also discharge into the ITID system via a small, 15 cfs, pump.
4. The boundaries for Sub-basin 15B have now been adjusted to include the approximate 4 square miles included in the above 3 points.
5. The current operating protocol for discharges into the Village of Royal Palm Beach system from the ITID M-1 system is that the controlling structures, the Roach Structure and the 40th Street Structure, are usually not opened until approximately 2 days after the peak of the storm. The reason for this is that the agreement with SFWMD allows for "off-peak" discharges which means that they can discharge only after the peak stages in both the Village and the C-51 canal have passed and the system is receding. This means that for a hypothetical 10-year, 72-hour storm event the ITID system wouldn't contribute inflows until possibly day 3, 4 or even 5. In order to offset flows within the Village system, ITID manually opens the Amil/Slide Gate system at the south end of the Village a sufficient amount to balance the flows.

TBE discussed the option of initially modeling the 10-year, 72-hour storm event with the Roach and 40th Street Structures open in order to determine what, if any, adverse effects occur after the completion of the S-319 Pumping Station.

Subsequent modeling scenarios would include variable operating scenarios for this sub-basin as will be determined by the SFWMD and the External Technical Review Team members.

As Mr. Foy has left the firm of Shalloway, Foy, Raman & Newell he is participating in this review based upon his first-hand knowledge of the ITID system.